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Mingsheng Hong, Mirek Riedewald, Christoph Koch, Johannes Gehrke, Alan Demers
March 2009　**EDBT '09:** Proceedings of the 12th International Conference on Extending Database Technology: Advances in Database Technology
Publisher: ACM
Full text available: 🔲 Pdf (731.50 KB)　Additional Information: full citation, abstract, references

Bibliometrics: Downloads (6 Weeks): 26,　Downloads (12 Months): 26,　Citation Count: 0

Data stream management systems usually have to process many long-running que that are active at the same time. Multiple queries can be evaluated more efficiently together than independently, because it is often possible to share state and compu ...

2　Tailor-made lock protocols and their DBMS integration
Sebastian Bächle, Theo Härder
March 2008　**SETMDM '08:** Proceedings of the 2008 EDBT workshop on Software engin for tailor-made data management
Publisher: ACM
Full text available: 🔲 Pdf (451.98 KB)　Additional Information: full citation, abstract, references

Bibliometrics: Downloads (6 Weeks): 4,　Downloads (12 Months): 25,　Citation Count: 0

We outline the use of fine-grained lock protocols as a concurrency control mechani the collaboration on XML documents and show that their tailor-made optimization towards the access model used (e.g., DOM operations) pays off. We discuss how ha wired ...

3　FMware: middleware for efficient filtering and matching of XML messages with data
K. Selçuk Candan, Mehmet E. Dönderler, Yan Qi, Jaikannan Ramamoorthy, Jong W. Ki
November 2006　**Middleware '06:** Proceedings of the ACM/IFIP/USENIX 2006 Internati Conference on Middleware
Publisher: Springer-Verlag New York, Inc.
Full text available: 🔲 Pdf (1.84 MB)　Additional Information: full citation, abstract, references

Bibliometrics: Downloads (6 Weeks): 1,　Downloads (12 Months): 1,　Citation Count: 0

XML message filtering systems are used for sifting through real-time messages to support business data mining and reporting. An XML message filtering system neec (a) process registered filter predicates on multiple distributed real-time streams an

Keywords: XML messaging, cluster-domain hashing, matching with local data

4 More dynamic imperative languages
A. Savidis
December 2005 **SIGPLAN Notices** , Volume 40 Issue 12
Publisher: ACM
Full text available: Pdf (346.24 KB) **Additional Information:** full citation, abstract, references, index ter

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 31, Citation Count: 0

We pursue entirely dynamic constructs for imperative object-oriented programming
languages by shifting responsibilities from compile-time handling to runtime
management. This accounts to the full range of language elements, going beyond
statically defined: ...

Keywords: dynamic languages, dynamically extensible semantics, polymorphic pa
programming, runtime inheritance

5 Towards robust semantic role labeling
Sameer S. Pradhan, Wayne Ward, James H. Martin
June 2008 **Computational Linguistics** , Volume 34 Issue 2
Publisher: MIT Press
Full text available: Pdf (165.08 KB) **Additional Information:** full citation, abstract, references, index ter

Bibliometrics: Downloads (6 Weeks): 12, Downloads (12 Months): 98, Citation Count: 0

Most semantic role labeling (SRL) research has been focused on training and evalua
on the same corpus. This strategy, although appropriate for initiating research, can
to overtraining to the particular corpus. This article describes the operation ...

6 Combining flexibility and scalability in a peer-to-peer publish/subscribe system
Chi Zhang, Arvind Krishnamurthy, Randolph Y. Wang, Jaswinder Pal Singh
November 2005 **Middleware '05:** Proceedings of the ACM/IFIP/USENIX 2005 Internati
Conference on Middleware
Publisher: Springer-Verlag New York, Inc.
Full text available: Pdf (448.11 KB) **Additional Information:** full citation, abstract, references

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 3, Citation Count: 0

The content-based publish/subscribe model has been adopted by many services to
deliver data between distributed users based on application-specific semantics. Two
issues in such systems, the semantic expressiveness of content matching and the
scalability ...

Keywords: matching, peer-to-peer, publish/subscribe

7 A 50-Gb/s IP router
Craig Partridge, Philip P. Carvey, Ed Burgess, Isidro Castineyra, Tom Clarke, Lise Grah
Michael Hathaway, Phil Herman, Allen King, Steve Kohalmi, Tracy Ma, John Mcallen, T
Mendez, Walter C. Milliken, Ronald Pettyjohn, John Rokosz, Joshua Seeger, Michael Sc
Steve Storch, Benjamin Tober, Gregory D. Troxel
June 1998 **IEEE/ACM Transactions on Networking (TON)** , Volume 6 Issue 3

Publisher: IEEE Press

Full text available: Pdf (133.28 KB)   Additional Information: full citation, references, cited by, index terms, review

Bibliometrics: Downloads (6 Weeks): 7,   Downloads (12 Months): 89,   Citation Count: 39

Keywords: data communications, internetworking, packet switching, routing

8 Mixed mode XML query processing

Alan Halverson, Josef Burger, Leonidas Galanis, Ameet Kini, Rajasekar Krishnamurthy, Nagaraja Rao, Feng Tian, Stratis D. Viglas, Yuan Wang, Jeffrey F. Naughton, David J. I
September 2003 **VLDB '2003: Proceedings of the 29th international conference of Very large data bases - Volume 29** , Volume 29
Publisher: VLDB Endowment

Full text available: Pdf (156.23 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 1,   Downloads (12 Months): 22,   Citation Count: 6

Querying XML documents typically involves both tree-based navigation and pattern matching similar to that used in structured information retrieval domains. In this pa we show that for good performance, a native XML query processing system should

9 A light-weight distributed scheme for detecting ip prefix hijacks in real-time

Changxi Zheng, Lusheng Ji, Dan Pei, Jia Wang, Paul Francis
August 2007 **SIGCOMM '07:** Proceedings of the 2007 conference on Applications, technologies, architectures, and protocols for computer communications
Publisher: ACM

Full text available: Pdf (481.39 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 31,   Downloads (12 Months): 144,   Citation Count: 5

As more and more Internet IP prefix hijacking incidents are being reported, the val hijacking detection services has become evident. Most of the current hijacking dete approaches monitor IP prefixes on the control plane and detect inconsistencies ...

Keywords: BGP, detection, hijacking, interception, routing

Also published in:
October 2007 **SIGCOMM Computer Communication Review** Volume 37 Issue 4

10 Approximate query processing using wavelets

Kaushik Chakrabarti, Minos Garofalakis, Rajeev Rastogi, Kyuseok Shim
September 2001 **The VLDB Journal — The International Journal on Very Large Da Bases** , Volume 10 Issue 2-3
Publisher: Springer-Verlag New York, Inc.

Full text available: Pdf (390.24 KB)   Additional Information: full citation, abstract, references, cited by, terms

Bibliometrics: Downloads (6 Weeks): 12,   Downloads (12 Months): 94,   Citation Count: 22

Approximate query processing has emerged as a cost-effective approach for dealing the huge data volumes and stringent response-time requirements of today's decisic support systems (DSS). Most work in this area, however, has so far been limited ..

Keywords: Approximate query answers, Data synopses, Query processing, Wavele decomposition

11 Bloom filter based routing for content-based publish/subscribe

Zbigniew Jerzak, Christof Fetzer

July 2008   **DEBS '08:** Proceedings of the second international conference on Distribute event-based systems

Publisher: ACM

Full text available: Pdf (405.55 KB)   Additional Information: full citation, abstract, references, index ter

Bibliometrics: Downloads (6 Weeks): 40,   Downloads (12 Months): 173,   Citation Count: 1

Achieving expressive and efficient content-based routing in publish/subscribe syste a difficult problem. Traditional approaches prove to be either inefficient or severely limited in their expressiveness and flexibility. We present a novel routing ...

Keywords: Bloom filter, distribution, interaction, publish/subscribe

12 Keyword query cleaning

Ken Q. Pu, Xiaohui Yu

August 2008 **Proceedings of the VLDB Endowment** , Volume 1 Issue 1

Publisher: VLDB Endowment

Full text available: Pdf (561.48 KB)   Additional Information: full citation, abstract, references, index ter

Bibliometrics: Downloads (6 Weeks): 15,   Downloads (12 Months): 74,   Citation Count: 0

Unlike traditional database queries, keyword queries do not adhere to predefined sy and are often dirty with irrelevant words from natural languages. This makes accur and efficient keyword query processing over databases a very challenging task. ...

13 Estimating the selectivity of approximate string queries

Arturas Mazeika, Michael H. Böhlen, Nick Koudas, Divesh Srivastava

June 2007 **Transactions on Database Systems (TODS)** , Volume 32 Issue 2

Publisher: ACM

Full text available: Pdf (364.78 KB)   Additional Information: full citation, abstract, references, index ter

Bibliometrics: Downloads (6 Weeks): 13,   Downloads (12 Months): 184,   Citation Count: 2

Approximate queries on string data are important due to the prevalence of such da databases and various conventions and errors in string data. We present the VSol estimator, a novel technique for estimating the selectivity of approximate string ...

Keywords: Inverse strings, min-wise hash signatures, q-grams

14 Impact of configuration errors on DNS robustness

Vasileios Pappas, Zhiguo Xu, Songwu Lu, Daniel Massey, Andreas Terzis, Lixia Zhang

August 2004 **SIGCOMM '04:** Proceedings of the 2004 conference on Applications, technologies, architectures, and protocols for computer communications

Publisher: ACM

Full text available: Pdf (327.13 KB)   Additional Information: full citation, abstract, references, cited by, terms

Bibliometrics: Downloads (6 Weeks): 15,   Downloads (12 Months): 124,   Citation Count: 8

During the past twenty years the Domain Name System (DNS) has sustained phenomenal growth while maintaining satisfactory performance. However, the origi design focused mainly on system robustness against physical failures, and neglecte impact ...

Keywords: DNS, misconfigurations, resiliency

Also published in:
August 2004 **SIGCOMM Computer Communication Review** Volume 34 Issue 4

15 Query optimization in compressed database systems
Zhiyuan Chen, Johannes Gehrke, Flip Korn
June 2001 **SIGMOD '01:** Proceedings of the 2001 ACM SIGMOD international conferen Management of data
Publisher: ACM

Full text available: Pdf (262.53 KB)   Additional Information: full citation, abstract, references, cited by, terms

Bibliometrics: Downloads (6 Weeks): 10,   Downloads (12 Months): 108,   Citation Count: 13

Over the last decades, improvements in CPU speed have outpaced improvements ir memory and disk access rates by orders of magnitude, enabling the use of data compression techniques to improve the performance of database systems. Previous describes ...

Also published in:
June 2001 **SIGMOD Record** Volume 30 Issue 2

16 A performance study of four index structures for set-valued attributes of low cardinality
Sven Helmer, Guido Moerkotte
October 2003 **The VLDB Journal — The International Journal on Very Large Data Bases** , Volume 12 Issue 3
Publisher: Springer-Verlag New York, Inc.

Full text available: Pdf (271.43 KB)   Additional Information: full citation, abstract, references, cited by, terms

Bibliometrics: Downloads (6 Weeks): 6,   Downloads (12 Months): 44,   Citation Count: 2

Abstract.The efficient retrieval of data items on set-valued attributes is an importar research topic that has attracted little attention so far. We studied and modified fot index structures (sequential signature files, signature trees, extendible ...

Keywords: Access methods, Database management systems, Index structures, Ph design, Set-valued attributes

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